

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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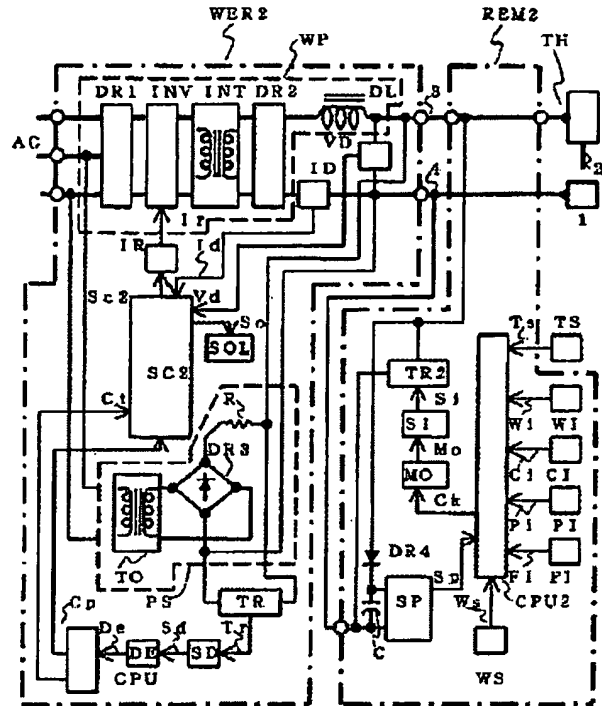
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APPLICANT : DAIHEN CORP;

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TITLE : NONCONSUMABLE ELECTRODE  
TYPE ARC WELDING EQUIPMENT



**ABSTRACT :** PROBLEM TO BE SOLVED: To solve such a problem that the operability is poor in a remote control unit which is separated from a welding power source because bundled and united control cables must be moved together when the remote controller is transported and the break of the control cable often occurs.

**SOLUTION:** In the nonconsumable electrode type arc welding equipment, a touch-starting type welding power source WER2 is provided with a standby output control power source PS, the remote controller REM2 is provided with a control power source incorporating remote controller SP which inputs a control voltage from a power cable, and a spread spectrum communication part which transmits and receives a control signal of the remote controller REM2 and the welding power source WER2 via the power cable by a spread spectrum communication method, and the control voltage inputted by the control power source SP incorporating remote controller is supplied from the standby output control power source PS during a stand-by period of welding, supplied from an arc voltage during a welding period, and supplied from an unloaded voltage of the welding power source WER2 during an unloaded period.

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